



# भारत का राजपत्र

## The Gazette of India

प्रापिकार से प्रकाशित  
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सं. 8] नई वित्ती, शनिवार, फरवरी 21, 1981 (फाल्गुण 2, 1902)

No. 8] NEW DELHI, SATURDAY, FEBRUARY 21, 1981 (PHALGUNA 2, 1902)

इस भाग में मिन्न पृष्ठ संख्या दी जाती है जिससे कि यह असर संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

## [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और छिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS

Calcutta, the 21st February 1981

## SPECIAL NOTICE

The following holidays will be observed by the Patent Office Branch, Madras during the year 1981.

Name of Festival	Day of the week	Date
Pongal	Wednesday	14th January, 1981
Republic Day	Monday	26th January, 1981
Tamil New Year's Day	Monday	13th April, 1981
Good Friday	Friday	17th April, 1981
Mahavir Jayanti	Friday	17th April, 1981
Buddha Purnima	Monday	18th May, 1981
Id-Ul-Fitr (Ramzan)	Sunday**	2nd August, 1981
Independence Day	Saturday	15th August, 1981
Vinayaka Chathurthi	Wednesday	2nd Sept., 1981
Mahatma Gandhi's Birth Day	Friday	2nd Oct., 1981
Ayudha Poja	Wednesday	7th Oct., 1981
Id-Ul-Zuhra (Bakrid)	Saturday	10th Oct., 1981
Deepavali (Diwali)	Monday	26th Oct. 1981
Muharram	Sunday	8th Nov., 1981
Guru Nanak's Birth Day	Wednesday	11th Nov., 1981
Christmas Day	Friday	25th Dec., 1981

\*\*Subject to change depending on appearance of the Moon.

17th January 1981

50/Cal/81. Westinghouse Electric Corporation. Particle withdrawal from fluidized bed systems.

51/Cal/81. Harold J. Heinen, Gene E. McClelland and Ronald E. Lindstrom. Process for percolation leaching of gold or silver ores.

52/Cal/81. Castolin S. A. Layer resistant to frictional wear and produced by thermal spraying.

53/Cal/81. Richter Gedeon Vegyeszeti Gyar RT. Angiotensin-II analogues with antagonizing effects, containing an hydroxy-carboxylic acid residue in position 8, and a process for the preparation thereof.

54/Cal/81. Sanofi. Derivatives of 1-aminopropan-2-ol. (November 18, 1980).

55/Cal/81. Sanofi. Process for the preparation of thieno [3, 2-C] pyridine. (November 18, 1980).

56/Cal/81. VDO Adolf Schindling AG. Temperature measuring probe.

57/Cal/81. Combustion Engineering, Inc. Fluidized bed gasifier.

20th January 1981

58/Cal/81. WM. R. Stewart & Sons (Hacklemakers) Limited. Pinned component for textile machinery and method. (February 5, 1980).

59/Cal/81. Lonza Ltd. A process for the preparation of (2-aminothiazol-4-yl)-acetic acid hydrochloride.

60/Cal/81. Stauffer Chemical Company. Synergistic herbicidal compositions.

61/Cal/81. Cummins Engine Company, Inc. Lubrication fluid filtering and cooling assembly.

62/Cal/81. VDO Adolf Schindling AG. Electrical pressure indicator.

63/Cal/81. The Western States Machine Company. Improved continuous centrifugal machine.

21st January 1981

64/Cal/81. Inco Research & Development Center, Inc. Electrodeposition of cadmium with selenium.

65/Cal/81. Shell Internationale Research Maatschappij B. V. Reactor for exothermic reactions and process for the preparation of hydrocarbons using this reactor.

66/Cal/81. Concast AG. Starting head for an installation for the continuous casting of steel and comprising and an open-ended mould.

67/Cal/81. The B. F. Goodrich Company. Emulsion polymerization process with low emulsifier concentration.

68/Cal/81. Indian Jute Industries' Research Association. A simple chemico-biological method for jute and allied plants.

69/Cal/81. C. Prakash. The research report on superfast cure for corns in dermatology.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, TODI ESTATES (3RD FLOOR), LOWER PAREL (WFST), BOMBAY-400 036.

9th December 1980

380/BOM/80. 1. Asgarali Ahmedali Dalal, 2. Dhiraj Karshanbhai Gajera, 3. Kirtiben Prajashbhai Parikh, & 4. Kanakmala Chandrakant Shah. A novel closure.

10th December 1980

381/BOM/80. 1. Mrs. Mangala Madhukar Chaudhari and 2. Mr. Madhukar Gangaram Chaudhari. A new tape recorder for recording/playing back mono 4 & 5 channels/Tracks on the compact cassette tapes.

12th December 1980

382/BOM/80. Orazio De Nora Impianti Electrochimici S. P. A. Process for preparing electrochemical material.

15th December 1980

383/BOM/80. Jnana Prabodhini. Areca-nut-peeler.

384/BOM/80. Anand Vishnu Gupchup. An improved spare wheel assembly for a motor cycle.

385/BOM/80. Sadanand Prabhakar Kotwal. Improved low ESR capacitor.

16th December 1980

386/BOM/80. 1. Dr. J. K. Lalla, and 2. Shri S. K. Poddar. New Enteric and film coating material for tablets.

387/BOM/80. 1. Dr. J. K. Lalla, and 2. Shri V. H. Saini. Substitute sugar coating.

388/BOM/80. Ciba-Giegy of India Limited. Improved process for the manufacture of ziram.

389/BOM/80. Ruttonsha-International Rectifiers Private Limited. A switching regulator circuit.

390/BOM/80. Shah Vinodray Nanchand. De-airator for feed material in processing units.

19th December 1980

391/BOM/80. Dr. Cyril Dhilare Singh Lakshmanan. An improved system of locking nuts and bolts with adjustable scop for regulating tension.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600002.

12th January 1981

4/Mas/81. C. S. Rao. Improvements to powered sugar cane crusher for vendors of sugar cane juice in a mobile unit to public in small quantities (in cup) for drink.

5/Mas/81. K. V. Nair & Indian Farmers Fertilizer Cooperative Ltd., Improvements in or relating to a process for the separation of impurities from phosphoric acid.

13th January 1981

6/Mas/81. The Fertilisers and Chemicals, Travancore Ltd., An improved process for the manufacture of synthetic cryolite using sodium fluosilicate and soda ash.

7/Mas/81. The Fertilisers and Chemicals, Travancore Ltd. A process for the preparation of synthetic cryolite from fluorine-containing scrubber liquor from phosphatic fertiliser plants.

8/Mas/81. The Fertilisers and Chemicals, Travancore Ltd. A process for the production of high purity hydrated aluminium fluoride ( $\text{AlF}_3\text{H}_2\text{O}$ ) from inferior grade scrubber liquors obtained from phosphoric fertiliser industry.

#### ALTERATION OF DATE

148422.

97/Del/78.

Post-dated 7th February, 1978.

148424.

130/Del/78.

Ante-dated 21st May, 1975.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months,

give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta, on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 33D & F. 148418.  
Int. Cl.-B22d 7/00.

**A METHOD FOR PREPARING A PROTECTIVE COATING COMPOSITION FOR USE IN COATING MOULDS.**

*Applicant :* KHARKOVSKY POLITEKHNIKESKY INSTITUT IMENI V. I. LENINA, KHARKOV, ULITSA FRUNZE, 21 USSR (2) INSTITUT CHERNOI METALLURGII, DNEPROPETROVSK, ULITSA PISARZHESKOGO USSR (3) KRIVORZHSKY ZAVOD "KRIVOROZHSTAL" IMENI V. I. LENINA, KRIVOL ROG, DNEPROPETROVSKOI OBLASTI, USSR.

*Inventors :* (1) LAZAR DAVIDOVICH SVIRSKY, (2) VALENTINA PAVLOVNA ZHURZHENKO, (3) TAMARA STEPANOVNA BUNDARENKO, (4) ANTONINA KONDRATIEVNA SAVIENKOVA, (5) VALERY MIKHAILOVICH KAZAKEVICH, (6) YAKOV ARONOVICH SHNEEROV, (7) EVGENY MATVEEVICH OSRYZKIN, (8) ANATOLY ARONOVICH GEIZENBLAZ, (9) GENNADY SERGEEVICH KOLGANOV, (10) VLADISLAV VENIAMINOVICH BURSHTEIN, (11) VLADIMIR FILIPPOVICH SIVAKOV, (12) EVGENY ALBINOVICH BOGDANOVICH, (13) VITALY MAXIMOVICH BURDONOS, (14) VIKTOR NIKOLAVICH ANDRJUSCHENKO, (15) OLEG ALOIZOVICH BUSIINSKY, (16) GRIGORY ARISTOVICH MAKAROV, (17) OLEG VASILIEVICH FILONOV, (18) VLADIMIR IVANOVICH TUPITSA, (19) VALERY IVANOVICH NIKITENKO, (20) NIKOLAI MIKHAILOVICH OMUS.

Application No. 1240/Cal/77 filed August 10, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings.

A method for preparing a protective coating composition for use in coating metal ingot molds, casting molds and cores comprising mixing fire clay, graphite, water glass, and a glassceramic component, to obtain a composition the latter being an alumina-containing material in an amount of not more than a half the weight of the total mixture and containing not less than 70 percent by weight of  $\text{Al}_2\text{O}_3$  by weight of its chemical composition,  $\text{Al}_2\text{O}_3$  being in alpha form and including optionally a boron-containing material having a  $\text{B}_2\text{O}_3$  content not less than 15 wt.-% and soda ash followed by preparing a water suspension said composition capable of being applied by conventional methods such as spraying from a homogeneous mixture containing the above said components and capable of forming a permanent protective coating on said mould at the metal coating temperature.

Comp. Specn. 38 Pages. Drg. Nil.  
CLASS 129G. 148419.  
Int. Cl.-B21b 1/00.

**TOOL COMPONENT TEMPERATURE RESISTANT MACHINE AND METHOD FOR MAKING SAME.**

*Applicant :* GENERAL ELECTRIC COMPANY, AT 1 RIVER ROAD, SCHENECTADY, STATE OF NEW YORK 12305, UNITED STATES OF AMERICA.

*Inventors :* HAROLD PAUL BOVENKERK AND PAUL DONALD GIGL.

Application No. 85/Cal/78 filed January 20, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A machine tool component of the type herein described comprising self bonded compacts of abrasive particles selected from diamond and cubic boron nitride in presence of a metallic phase characterised in that (i) said compact comprises between 0.05% and 3.0% by volume of the metallic phase comprised of a sintering aid material which had been used to aid the self bonding of the abrasive particles, said particles forming 70-95% of the tool component (ii) said tool component exhibiting a net work of interconnected empty pores dispersed through said tool component and defined by said abrasive particles and, (iii) said pores forming between 5% and 30% by volume of said tool component.

Comp. Specn. 20 Pages.

Drg. 1 Sheet.

CLASS 33D. 148420.  
Int. Cl.-B22d 37/00.

**SLIDING GATE NOZZLES AND A METALLURGICAL VESSEL CONTAINING SUCH NOZZLES.**

*Applicant :* STOPINC AKTIENGESELLSCHAFT, BAARERSTRASSE 43, 6300 ZUG/SWITZERLAND.

*Inventor :* MEIER ERNST.

Application No. 593/Cal/78 filed June 1, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

A sliding gate nozzle for controlling an outlet orifice of a metallurgical vessel, the sliding gate nozzle comprising four prefabricated members which can be assembled and dismantled without mortar, namely a rigid nozzle box for attachment to the vessel, a fixed gate assembly adapted to be located in the nozzle box, a movable gate assembly and a metal cover that can be bolted to the nozzle box, the arrangement being such that the contact pressures between the nozzle box and the bottom of the vessel on the one hand and between the two gate assemblies on the other hand are mutually independent.

Comp. Specn. 14 Pages.

Drg. 4 Sheets.

CLASS 195D. 148421.  
Int. Cl.-F16k 3/00.

**IMPROVED SLIDE GATE VALVE APPARATUS.**

*Applicant :* USS ENGINEERS AND CONSULTANTS, INC., AT 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

*Inventors :* NORMAN HENRY WATTS, PHILIP WEATHERALL AND ROBERT DUNCAN HIND.

Application No. 87/Cal/78 filed February 2, 1978.

Convention date February 17, 1977/(06612/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

14 Claims

A slide gate valve apparatus for use with a molten metal teeming vessel, comprising a mounting plate for attaching the apparatus to said teeming vessel, a fixed orificed refractory head plate located at said mounting plate, an assembly secured to said mounting plate and including a slide carriage carrying an orificed refractory slide plate for sliding movement in contact with the underside of said head plate, and elongated spring support means secured to said mounting plate and engaging said assembly means and resiliently biasing said slide plate into firm sliding contact with said head plate.

Comp. Specn. 15 Pages.

Drg. 3 Sheets.

CLASS 32E.	148422.	6 Claims
Int. Cl.-C08f 15/02, 47.00.		A vehicle brake actuator of the kind set forth in which the cage assembly is asymmetric about the line of action of the wedge member, the cage assembly and at least one of the follower members being provided with abutment means which co-operate to prevent insertion of the cage assembly to its normal working location in the housing when the cage assembly is offered to the housing when turned through 180° about the direction of movement of the wedge member.
A PROCESS FOR THE PREPARATION OF HARD, CROSSLINKED DISCRETE COPOLYMER BEADS.		Comp. Specn. 7 Pages. Drg. 2 Sheets.
<i>Applicant</i> : ROHM AND HAAS COMPANY, OF INDEPENDENCE MAIL WEST, PHILADELPHIA, UNITED STATES OF AMERICA.		CLASS 182A & B & C. 148425.
<i>Inventor</i> : MARK JEROME DALES.		Int. Cl.-C13k 9/00.
Application No. 97/Del/78 filed February 6, 1978.		PROCESS FOR THE PREPARATION OF A SWEETNER FROM STARCH.
Post dated February 7, 1978.		<i>Applicant &amp; Inventor</i> : DR. SUKUMAR BOSE, DR. KRISHNA CHANDRA GUPTA AND LAKHENDRA SINGH, ALL OF NATIONAL SUGAR INSTITUTE, KANPUR, U.P., INDIA.
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.		Application No. 352/Del/78 filed May 9, 1978.
7 Claims		Complete Specification left May 5, 1979.
A process of preparing hard, crosslinked, discrete copolymer beads by free-radical polymerization in an aqueous dispersion of a monomer mixture comprising at least 50% by weight of monoethylenically unsaturated monomer and less than 50% by weight of polyethylenically unsaturated crosslinking monomer having at least two active ethylenically unsaturated groups, wherein the polymerization is conducted, at least until the gel point is reached, at a temperature of 30 to 95°C with oxygen dissolved in and/or being swept over the monomer mixture.		Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.
Comp. Specn. 29 Pages.	Drg. 4 Sheets.	7 Claims. No drawings.
CLASS 128E.	148423.	A process for the preparation of a sweetner from starch comprising the step, of preparing a glucose solution by any known method, subjecting said solution to the step of isomerization which consists in heating the glucose solution with an aqueous solution of hydroxides of alkali and alkaline earth metals to a temperature not exceeding 80°C and for a minimum period of 24 hours, and thereafter purifying by a known method the resultant product of sweetness index of about 1.0.
Int. Cl.-H04b 1/00.		Prov. Specn. 5 Pages. Comp. Specn. 10 Pages. Drgs. Nil.
IMPROVEMENTS IN OR RELATING TO APPARATUS FOR EMITTING HIGH-FREQUENCY ELECTROMAGNETIC WAVES.		CLASS 107G & 195E. 148426.
<i>Applicant</i> : RAPEM (RECHERCHES ET APPLICATIONS ELECTRONIQUES EN MEDICINE), OF 228 RUE DE LA CONVENTION, 75015 PARIS, FRANCE.		Int. Cl.-F01b 25/02, G05d 16/08.
<i>Inventor</i> : VICTOR MARCHI FELIUS.		A FUEL PRESSURE REGULATOR FOR INTERNAL COMBUSTION ENGINE.
Application No. 101/Del/78 filed February 8, 1978.		<i>Applicant</i> : CUMMINS ENGINE COMPANY, INC., OF 1000 FIFTH STREET, COLUMBUS, INDIANA 47201, UNITED STATES OF AMERICA.
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.		<i>Inventors</i> : JULIUS PETER PERR, EDWARD DELANO SMITH AND HARRY LEE WILSON.
20 Claims.		Application No. 1023 Cal/77 filed July 6, 1977.
Apparatus for emitting high-frequency electromagnetic waves, said apparatus comprising low-voltage power supply means, circuit means for producing high-frequency, electrical signals, said circuit means having an input and an output, means for connecting said input to said power supply means, and at least one antenna which is applicable directly to a patient's body and which is connected or connectible to the output of said circuit means, for producing at the antenna a low energy high-frequency electromagnetic field without significant thermal effects on the body, said antenna comprising at least one conductor which is carried by a support of an electrically insulating material and which includes a length of conductive material arranged in a predetermined pattern.		Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.
Comp. Specn. 16 Pages.	Drg. 2 Sheets.	16 Claims.
CLASS 24E.	148424.	A fuel pressure regulator for fuel supply of an internal combustion engine comprising a first member 32 having a fuel intake passage 33 formed therein and leading to an opening 34 in a side therefore, said passage 33 being adapted to receive fuel under pressure which flows through said passage and out of said opening 34, a closure member 41 positioned adjacent said first member 32 at said opening, said closure member 41 being provided with a recess 62 in the side facing the said first member 32, said recess 62 at least partially overlying said opening 34; and further comprising a first means 44, 46 for relative movement of the said members 32, 41 in a first direction toward and away from one another to form a space therebetween, a second means 43 for applying force and engaging at least one of said members and urging said members towards one another so as to close said space, fuel in said passage 33 exerting pressure over an area of said closure member 41 and moving said closure member 41 away from said first member 32 to form said space therebetween and thereby to enable the fuel to flow out of said opening and through said space, and third means 57 providing relative movement of said members in a second direction which is generally lateral of said first direction in order to vary the amount of said recess 62 which lies outside of said opening, the pressure of the fuel in said passage 33 being equal to the force of said second means 43 for applying force divided
Int. Cl.-F16d 65/80, B60F 11/08.		IMPROVEMENTS IN VEHICLE BRAKES.
<i>Applicant</i> : GIRLING LIMITED, OF KINGS ROAD, TYSFLEY, BIRMINGHAM 11, ENGLAND.		<i>Applicant</i> : AIBERT CHARLES HILL.
<i>Inventor</i> : AIBERT CHARLES HILL.		Application No. 130/Del/78 filed February 16, 1978.
Application No. 130/Del/78 filed February 16, 1978.		Convention date May 24, 1974 (23223/74) U.K.
Convention date May 24, 1974 (23223/74) U.K.		Division of Application No. 1021/Cal/75 filed May 21, 1975.
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.		Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

by said area, and said area being equivalent to the area of said opening 34 plus any area of said recess 62 which lies outside the margin of said opening.

Comp. Specn. 23 Pages.

Drg. 1 Sheet.

CLASS 111.

148427.

Int. Cl.-B65c 1/06.

LABELLING DEVICE.

*Applicant* : G. D. SOCIETA PER AZIONI, OF 40135 BOLOGNA, ITALY VIA POMPONIA 10.

*Inventor* : MR. ENZO SERAGNOLI.

Application No. 406/Del/77 filed November 21, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims

A labelling device, particularly for applying a label to packets, in particular cigarette packets or the hinged lid type, arranged flat on a support plane and advanced transversely thereto in a step-by-step manner; the labelling device comprising a feeding device (15) for feeding in succession individual labels to a take-up position; stop means (86) for stopping in succession each said packet on said support plane in an application position at which the respective label is applied; a support member (6) the position of which is adjustable relative to said support plane in two directions parallel thereto and at right angles to one another, one of said two directions being parallel to the direction of advancement of said packets; a casing (18) connected to said support member (6) so as to be rotatable relative thereto about an axis parallel to said support plane and at right angles to said advancement direction; first actuating means (37) operable cyclically to oscillate said casing (18) at a predetermined frequency about said axis through an angle; a main shaft (55) extending through said casing (18) in a rotatable and axially slidable manner and arranged at right angles to said axis; a label retaining means (57) connected to said main shaft (55) and oscillable therewith and said casing (18) about said axis through said angle between said take-up position and a ready-to-work position arranged above said application position; second actuating means (28-70-71) operable cyclically at the same frequency as said first actuating means to displace axially said label retaining means (57) between said ready-to-work position and said application position; and transmission means (47-50-64) adjustable between a coupled position and a decoupled position to transform, when arranged in said coupled position, the oscillation of said casing (18) through said angle into a rotation of about 90° of said label retaining means (57) about the axis of said main shaft (55).

Comp. Specn. 18 Pages.

Drg 8 Sheets.

CLASS 53D.

148428.

Int. Cl.-B62k 11/14.

COMPOSITE HALF-SHELL AND COVER STRESS-RESISTANT HANDLEBAR FOR MOTOR VEHICLES.

*Applicant* : PIAGGIO & C. S.P.A., OF VIA ANTONIO CICCHI 6, GENOVA, ITALY.

*Inventor* : BRUNO GADDI.

Application No. 46/Del/78 filed January 18, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

8 Claims.

A handlebar for a two-wheeled vehicle, particularly for a motor assisted one, characterized in that it comprises a stress resisting thin-walled upwardly open half shell single lower body (1) and a removable upper cover (4) fitting on to the lower body (1), said lower body including an integrally formed collar (3), which is adapted for connection to a vehicle steering tube, and integrally formed bridges (5, 6, 7, 8), which are adapted for supporting two tubular extensions (9, 10), the distal parts of which mounting the riders' handgrips (11, 12) said lower body (1) further including supports (24, 25) for a headlight (33) the body of which being enclosed by

the complete housing formed by the lower body and the upper cover.

Comp. Specn. 7 Pages.

Drg. 2 Sheets.

CLASS 148-L.

148429.

Int. Cl.-G.03.g.7/00.

A PROCESS FOR MAKING PHOTORECEPTORS FOR USE IN ELECTROPHOTOGRAPHY.

*Applicants* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI, 110001, INDIA.

*Inventors* : PRATAP CHANDER MEHENDRU HUBRAMANIAN RADHAKRISHNAN, NATHU LAL PATHAK, AND NARAYANAN KAMALASANAN MODEEPARAMPIE.

Application No. 520/Del/78 filed on 13, July 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

7 Claims.

Process for making of photoreceptors for use in electro-photography comprising coating a photoconducting material formed of an admixture of phthalocyanine pigments, polymers having resistivity in the range of  $10^{10}$ - $10^{15}$  ohm. cm. and an organic solvent, on a conductive substrate of a film thickness in the range of 5-200  $\mu$ m. and further overcoating the substrate with a polymer having resistivity in the range of  $10^4$ - $10^{14}$  ohm. cm. dissolved in a solvent with an overcoat thickness in the range of 0.01 to 100  $\mu$ m.

Complete Specification 8 pages.

CLASS 158E, E<sup>2</sup>, E<sup>3</sup>.

148430

Int. Cl.-B61 F 5/38.

STEERING ARRANGEMENT FOR RAILWAY BOGIES.

*Applicants* : Director General, Research Designs and Standard, Organisation, Ministry of Railways Manak Nagar, Lucknow, U.P. INDIA.

*Inventors* : Komattil Balakesari.

Application No. 555/Del/78 filed on July 29, 1978.

Complete Specification left on 27th July, 1979.

4 Claims.

A steering arrangement for bogies of railway vehicles, as herein referred to, comprising a yoke for each wheel set of a pair of adjacent wheel sets of a bogie, each yoke consisting of a transverse member having a rigid bracket at each end attached to respective axle box, each transverse member having a rigid fixed arm at its centre extending towards the other transverse member, the free ends of the fixed arms being pivoted together.

Provisional Specification 3 pages and Drawing 1 Sheet.

Complete Specification 5 pages and Drawing 1 Sheet.

CLASS 107-J.

148431.

Int. Class-F02m-11/00.

"STARTER MOTOR FOR AN INTERNAL COMBUSTION ENGINE".

*Applicants* : SOCIETE DE PARIS ET DU RHONE OF 36, AVENUE JEAN MERMOZ, LYONNE, FRANCE.

*Inventors* : ALFRED BRUNO MAZZORANO, ENGINEER OR 12 RUE FERNAND LEGAR, VENISSIOUX, RHONE, FRANCE, A FRENCH CITIZEN.

Application No. 602/Del/78 filed on 11th Aug. 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims.

1. A starter motor assembly for an internal combustion engine provided with a drive gear, the starter motor assembly

comprising a pinion axially movable for engagement with the drive gear, an electric motor comprising an armature mounted on an armature shaft, a drive device carried by the armature shaft for axial movement thereon to move the pinion axially, a helical groove connection between the armature shaft and the drive device whereby upon rotation of the armature relative to the drive device the drive device will move axially of the armature shaft, a return spring urging the pinion and drive device in a direction axially to retract the pinion from the drive gear, an electro-magnetic switch having a moving contact and which when in a contact closed condition provides for the supply of electric current to the electric motor to cause rotation of the armature thereof, a yoke connected between the moving contact and the drive device to urge the drive device in a direction to engage the pinion with the drive gear responsive to movement of the moving contact in a contact closing direction, a case surrounding a helically grooved tubular portion of the drive device and secured at one end against axial movement relative to the armature shaft, a stop on the said tubular portion of the drive device, and a cap retained over the other end of the case, the return spring bearing at opposite ends against the cap and the stop and the yoke being resiliently charged between the cap and the drive device when the pinion is in a rest position retracted from the drive gear.

Complete Specification 20 pages. Drawings 1 Sheet.

CLASS 157, A-3C & 158-E.

148432.

"OVERHEAD CONVEYOR".

Applicants : WAGGONFABRIK UERDINGEN A.G., OF D-4150 KREFELD-UERDINGEN.

Int. Cl.-B61F-11/00, 13/00, B61B, 3/00 & E01b-25/22.

Inventors : THOMAS GERHARD.

Application No 605/Del/78 filed on 14th Aug 78.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

7 Claims.

An overhead conveyor in a suspension railway including a track installation having at least one track switch point, a trolley carriage suspended on said installation, driving means including driving rails and locking rails secured to said installation in the range of said switch point and guiding rollers supported on a rocking lever on said carriage to engage selected guiding rails in the range of said switch point, characterised by safety means for enhancing the switching operation in the range of said switch point, said safety means including an inclined tongue provided on said track installation before the range of said switch point below the path of movement of said guiding rollers; slide shoe attached to said rocking lever to engage the sloping surface of said safety tongue to tilt said rocking lever about a predetermined angle; a locking rail secured to said track installation for locking one end of said rocking lever in its angularly displaced position, said locking rails being spaced apart in the direction of travel of said carriage about a distance sufficient for engagement of the raised guiding roller with the assigned guiding rail; and a roof-like safety nose attached to the other end of said rocking lever, said nose having an inclined surface of a length sufficient for bridging the spacing between said other end and said locking rail when said sliding shoe is still in engagement with the end portion of said safety tongue.

Comp. Specn. 15 Pages.

Drgs. 2 Sheets.

CLASS 157-A, 3.

148433.

Int. Cl.-E01b 7/00, 7/28, 25/26.

"SWITCH FOR A SUSPENSION RAILWAYS VEHICLE".

Applicants : WAGGONFABRIK UERDINGEN A.G., OF D-4150 KREFELD-UERDINGEN DUISBURGFR STRASSE 145, FEDERAL REPUBLIC OF GERMANY.

Inventors : THOMAS GERHARD, JOACHIM BRAVSE, MANFRED KELLER AND HENRY OLSZOK.

Application No. 606/Del/78 filed on 14 August, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims.

A switch for a suspended railway vehicle having two elastic wheels, comprising a first, second, third and fourth rail, said first and second rails together forming a first-double-rail path whereas said first rail with said third rail and said second rail with said fourth rail form second and third double-rail paths, respectively, which branch off from said first path, said four rails having contact surfaces and together bounding a gap so that during running of the vehicle on the switch from one to another path one wheel of the vehicle enters the gap and runs without support and after passing said gap the one wheel engages with a portion of one rail of the other path, a plurality of ramps each arranged on a respective one of said portions and having a contact surface which is inclined in the direction transverse to the direction of elongation of the respective rail so that when the one wheel after passing said gap runs onto a respective one of said ramps it is raised onto said contact surface of the one rail of the other path, the contact surface of each of said ramps furthermore including a transitional portion merging into the respective rail with a transverse inclination which decreases proceeding in the direction along which the transitional portion merges into the respective rail.

Complete Specification 12 pages and Drawing 1 Sheet.

CLASS 15C, 120B<sub>2</sub>, 4, C<sub>1</sub>

148434.

Int. Cl.-F16C-35/00, 33/10, F16n-7/14.

"A BEARINGS".

Applicants : GLADYS DAVIS MILLER, OF 51 WEST SARNIA STREET, WINONA, MINNESOTA, U.S.A.

Inventors : RANK, RICHARD & JOH.

Application No. 617/Del/78 filed on 21 August, 1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch

17 Claims.

A bearing comprising an annular bearing surface sized to engage a shaft, collector means in the form of a circumferentially extending confined groove in said bearing in which a lubricant may be collected, said bearing having a radially projecting thrust face and a recess communicating between said collector means and said thrust face, and lubricant transfer means extending into said recess and also having an offset portion which extends to said collector means for moving lubricant out of said collector means to said bearing thrust face.

Complete Specification 20 pages and Drawing 3 Sheets.

CLASS 32Feb.

148435.

Int. Cl. C07c 53/00.

"A METHOD OF SEPARATING ACRYLIC ACID".

Applicants : THE STANDARD OIL COMPANY, MID-LAND BUILDING, CLEVELAND, OHIO 44115, UNITED STATES OF AMERICA.

Inventors : DAVID RUDOLPH WAGNER.

Application No. 741/Del 78 filed on 6th Oct. 1978.

Convention date :

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

Claims.

A method for separating acrylic acid from an aqueous solution of acrylic acid and acetic acid comprising the steps of :

(a) contacting the aqueous solution with a solvent in a first column to obtain a first overhead stream of solvent, acrylic acid, acetic acid and water;

(b) distilling said first stream in a solvent recovery column having distillation trays, to obtain a second overhead stream of solvent and water, and a bottoms stream of acrylic acid;

- (c) removing a vapor stream from below the feed tray of the solvent recovery column, said vapor stream containing acrylic acid and acetic acid;
- (d) rectifying said vapor stream to separate and remove acetic acid.

Complete Specification 12 pages and Drawing 1 Sheet.

CLASS 129-G. 148436.  
Int. Cl.-B23p-3/26, 15/28.

**"WALL CUTTING TOOL WITH CHIP BREAKING WALL".**

*Applicants* : PIETRO GUGLIELMETTI, OF VIA. RIGLIO 16-PIACENZA, ITALY.

*Inventors* : GUGLIELMETTI PIETRO.

Application No. 849/Del/78 filed on 24th Nov. 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

*5 Claims.*

A cutting tool of the kind in which the cutting edge is formed on a tool bit of a hard metal inserted into the end of the tool shank, characterised in that it comprises a straddle on which a chip-breaking wall is formed, said straddle capable of being fastened in correspondence with the tool bit in a position-adjustable manner, so as to be enabled to adjust the position of the chip-breaking wall relative to the cutting edge of the tool bit.

Complete Specification 4 pages and Drawing 1 Sheet.

CLASS 72B & 72D. 148437.  
Int. Cl.-F42b 9/28.

**A DELAY DETONATOR.**

*Applicant* : IDL CHEMICALS LTD., SANATNAGAR (I.F.) P.O., HYDERABAD-500018, ANDHRA PRADESH, INDIA.

*Inventors* : (1) DR. COODLY PUTTASASTRY RAMASWAMY,  
(2) DR. ARSHAD AHMED,  
(3) SADHAN CHAKRAVARTHY,  
(4) PUNUKOLLU SHESHAGIRI RAO and  
(5) SHOLINGHUR PATTABIRAMAN.

Application No. 23/Mas/78 filed February 20, 1978.

Complete specification left April 20, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

*2 Claims. No drawing*

A method of manufacture of a delay detonator comprising the preparation of a shell from steel strips and thereafter preparing the said detonator in the known way characterised in that the said steel strips are provided with a protective coating of at least one anti-rusting metal, such as, copper, zinc, tin, brass, bronze, cadmium, chromium and then drawn into the said shells.

(Prov.-5 pages. Com.-6 pages).

CLASS 84B. 148438.  
Int. Cl.-C10 L 1/12.

**A PROCESS OF PREPARING A FUEL COMPOSITION FOR FURNISHING HIGH TEMPERATURE AND ENERGY DURING COMBUSTION AND A FUEL COMPOSITION PREPARED BY THE SAID PROCESS.**

*Applicant & Inventor* : GODLA LOKANATHAN, C/O M. K. N. MURTHY, SENIOR COMMERCIAL OFFICER (CATERING), RAIL NILAYAM, SOUTH CENTRAL RAILWAY, SECUNDERABAD 500371, ANDHRA PRADESH, INDIA.

Application No. 29/Mas/78 filed February 27, 1978.

Complete specification left May 28, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

*3 Claims. No drawing*

A process of preparing a fuel composition for furnishing high temperature and energy during combustion comprising the steps of mixing  $TiO_2$  and  $NaCl$  together in the range from 1 part by weight of  $TiO_2$ ; grinding the resulting mixture to very fine particle size; admixing the ground mixture with the desired liquid hydrocarbon fuel such as herein described, and removing any sediment thereafter to yield the said composition.

(Prov.-3 pages; Com.-4 pages).

CLASS 70C<sub>4</sub> & 70C<sub>6</sub>. 148439.  
Int. Cl.-C01 g 45/00.

**AN ELECTROLYTIC PROCESS OF MANUFACTURING MANGANESE DIOXIDE.**

*Applicant* : T. K. CHEMICALS LIMITED, 48-51, VELI INDUSTRIAL AREA, KOCHUVELI, TRIVANDRUM-695021, KERALA STATE, INDIA.

*Inventors* : (1) GOLAHALLI VENKATAKRISHNA RAO GUNDU RAO,  
(2) RAMACHANDRAN PATTABHI RAMAN.

Application No. 213/Mas/78 filed November 18, 1978.

Complete specification left February 14, 1980.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

*20 Claims. No drawings*

A process of manufacturing manganese dioxide by electrolysis of an aqueous solution containing sulphuric acid and manganese sulphate comprising,

(a) using lead, antimonial lead, graphite or such other known type of cathodes and expanded titanium metal sheets (ETMS) as anodes,

(b) washing the ETMS anodes before use in a known manner followed by cleaning such prewashed anodes in acid mixtures and thereafter replacing the thus cleaned ETMS anodes in the electrolytic cell containing acidified aqueous solution of manganese sulphate,

(c) passing current through the cell and carrying out electrolysis for a period of about 12 to 48 hours thereby allowing electrolytic manganese dioxide (EMD) to be deposited on the ETMS,

(d) subjecting the EMD coated to further electrolysis at a higher current density than in step (c) and at higher sulphuric acid concentration, such as hereinbefore described.

(e) removing the EMD coated ETMS from the cell,

(f) stripping off the manganese dioxide from the ETMS in a known manner such as by washing and mechanical vibration, and if desired and

(g) cleaning manganese dioxide free ETMS in similar manner as mentioned in step (b) for reusing.

(Prov.-5 pages; Com.-18 pages).

**OPPOSITION PROCEEDINGS**

The application for Patent No. 144512 made by Council of Scientific & Industrial Research, New Delhi in respect of which oppositions were entered by Ekantika Copiers Private Limited and by Macneill and Magor Limited as notified in Part-III Section 2 of the Gazette of India dated the 2nd December, 1978 has been treated as withdrawn

**PATENTS SEALED**

146961 147192 147336 147345 147414 147417 147427 147443  
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## RENEWAL FEES PAID

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 114877 115080 115082 115093 115178 115298 118512 119657  
 119811 120156 120270 120608 121622 123399 125500 125542  
 129481 130217 130219 130318 130768 134297 134322 134431  
 134490 134498 134518 134561 134607 135060 136025 136191  
 136597 136766 136972 137387 137461 137552 137554 137759  
 137762 137804 137807 137836 138192 138211 139494 139544  
 139562 139804 140151 140435 140694 141259 141349 141473  
 141515 141604 141625 141640 141733 141799 141908 141989  
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 143438 143830 144465 144540 144626 144714 144754 145058  
 145173 145353 145642 145820 145866 145987 146026 146114  
 145265 146508 146509 146639 146690 147028 147060 147135  
 147178 147190 147208

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class. 1. No. 149386. Zoldia Anstalt, a company organised and existing under the laws of Liechtenstein, of Stadtte 36, 9490 Vaduz (Liechtenstein). "Gem and particularly Diamond" March 18, 1980.

Class. 1. No. 149387. Zoldia Anstalt of Stadtte 36, 9490 Vaduz (Liechtenstein). "Diamond". March 18, 1980.

Class. 1. No. 149388. Zoldia Anstalt of Stadtte 36, 9490 Vaduz (Liechtenstein). "Diamond". March 18, 1980.

Class. 1. No. 149764. Norton & Co. of 23 Baker Thiruvengada Mudali St, Choolai, Madras-600007 (Tamil Nadu), an Indian Partnership Firm. "Printing Type Founts". August 2, 1980.

Class. 1. No. 149794. Toyota Engineering Works, a partnership firm of Makani Industrial Estate, Unit No. 2, Gala No. 3, Balaram Patil Road, Village Khari, Bhayander (East), Distt. Thana, Maharashtra, India. "Metallic Belt". August 14, 1980.

Class. 3. No. 149335. Jyoti Limited of Industrial Area, P.O. Chemical Industries, Baroda 390003, State of Gujarat, India. "Trunk Call Time Indicator". March 3, 1980.

Class. 3. No. 149342. Jyoti Enterprises of 203, Hammersmith Estate, Plot No. 416, Off Sitaldevi Temple Road, Mahim, Bombay-400016, Maharashtra, an Indian Proprietary Firm. "Infusion Set". March 5, 1980.

Class. 3. No. 149359. Welcome India Trading Company also as Witco of 3470, Nicholson Road, Delhi-110006, a partnership firm. "Match Box". March 15, 1980.

Class. 3. No. 149489. Prime Industries of E/3, Vishal Nagar, S. V. Road, Borivali, Bombay-400092, Maharashtra an Indian Proprietary Firm. "Paper Cutter-cum-scale". April 26, 1980.

Class. 3. No. 149715. Tip Top Plastic Works, 297, Abdool Rehman Street, Bombay-400003, State of Mah-

rashtra, India an Indian Proprietary Concern. "Folding Container". July 19, 1980.

Class. 3. No. 149716. Tip Top Plastic Works, 297, Abdool Rehman Street, Bombay-400003, State of Maharashtra, India, an Indian Proprietary Concern. "a Cap for Container". July 19, 1980.

Class. 3. No. 149716. Tip Top Plastic Works, 297, Abdool Rehman Street, Bombay-400003, State of Maharashtra, India, an Indian Proprietary Concern. "a Cap for Container". July 19, 1980.

Class. 3. No. 149858. Amu Industries, an Indian Registered Partnership Firm of 14, Amatalla Lane, Post Box No. 2777, Calcutta-700001, State of West Bengal, India. "a container". August 28, 1980.

Class. 3. No. 149859. Sharp N. India, Proprietor Narain Trust, L. 3, Hauz Khas, New Delhi-16. "Pencil Sharpner". August 30, 1980.

Class. 4. No. 149331. Manohar Industries, a partnership firm of Lohar Galli, Nanded-431601, State of Maharashtra, India. "Precast R.C.C. Chamber for sluice valve and air valve w.th cover". February 28, 1980.

Class. 4. No. 149332. Manohar Industries, a partnership firm of Lohar Galli, Nanded-431601, State of Maharashtra, India. "Precast R.C.C. Chamber for sluice valve and air valve with cover". February 28, 1980.

Class. 5. No. 149361. Welcome India Trading Company and also Witco of 3470, Nicholson Road, Delhi-110006, a partnership firm. "Match Box". March 15, 1980.

Class. 6. No. 149558. M/s. Ray-Lite Industries, sole proprietary concern of 3-E, 11/12, Majithia Nagar, Swami Vivekanand Road, Kandivli (West), Bombay-400067, Maharashtra, "cases for spectacles, Goggles & the like items". April 23, 1980.

Class. 10. No. 149708. U.P. Shoe Industries Private Ltd., of 11/48-d, Ram Bagh, Hathras Road, Agra-6, U.P., India, an Indian Company. "Footwear". July 17, 1980.

## LIST OF PERSONS WHO HAVE BEEN REGISTERED AS PATENT AGENTS UNDER SECTION 126 OF THE PATENTS ACT, 1970.

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